Listing of Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Previously Presented) Silanised, structurally modified, pyrogenically produced silicas,

characterised by octylsilyl and/or hexadecylsilyl groups fixed to the surface, wherein structural modification is done by spraying pyrogenically produced silica optionally first with water and then with hexadecyltrimethoxysilane (CH₃O)₃ SiC₁₆H₃₃ or octyltrimethoxysilane (CH₃O)₃ SiC₈H₁₇, mixing intensively, mixing for a further 15 to 30 minutes and then tempering at a temperature of 100 to 160° C for a period of 1 to 3 hours, then structurally modifying said silica by subjecting said silica to a ball mill to produce a silica with a DBP value of at least 10% lower than the DBP value of non-structurally modified silica.

2.-3. (Cancelled)

4. (Previously Presented) Process for the production of the silanised, structurally modified, pyrogenically produced silicas according to Claim 1,

characterised in that a pyrogenically produced silica is placed in a mixer, the silica is sprayed, optionally first with water and then with the compound from the group $(RO)_3SiC_nH_{2n+1}$ while mixing intensively, mixed for a further 15 to 30 minutes and then tempered at a temperature of 100 to 160°C for a period of 1 to 3 hours, structurally modified by ball milling and/or optionally post-grinding.

5. (Previously Presented) Process for the production of the silanised, structurally modified, pyrogenically produced silica according to Claim 4,

characterised in that an additional tempering of said silica is carried out.

- 6. (Previously Presented) Lacquer composition comprising a lacquer vehicle and the silanised, structurally modified, pyrogenically produced silica of Claim 1.
- 7. (Previously Presented) A silanised, structurally modified, pyrogenically produced silica, said silica having been structurally modified by ball milling,

and

having the following physical chemical properties:

BET surface area	$25-400 \text{ m}^2/\text{g}$
Average size of primary particles	5-50 nm
pH value	3-10
Carbon content	0.1-25%
DBP value in %	at least 10% lower than the DBP
	value of a corresponding silianise

non-structurally modified silica.

wherein the pyrogenically produced silica has been treated with a compound selected from the group consisting of $(CH_3O)_3SiC_{16}H_{33}$ and $(CH_3O)_3SiC_8H_{17}$.

8.-10. (Cancelled)

11. (Previously Presented) A process for the production of the silanised, structurally modified, pyrogenically produced silica according to Claim 7, comprising placing the pyrogenically produced silica in a mixer, spraying the silica, optionally first with water, and then spraying with said compound while mixing intensively, mixing for a further 15 to 30 minutes

and then tempering at a temperature of 100 to 160°C for a period of 1 to 3 hours, structurally modifying by ball milling and and/or optionally post-grinding.

- 12. (Previously Presented) The process for the production of the silanised, structurally modified, pyrogenically produced silica according to Claim 11, further comprising additionally tempering said silica.
 - 13. (Cancelled)
- 14. (Previously Presented) The process according to Claim 11, further comprising post grinding said silica by using an air-jet mill or pin mill.
- 15. (Previously Presented) The process according to Claim 12, wherein tempering takes place in a drying cupboard or in a fluidized bed.
- 16. (Previously Presented) The process according to Claim 15, wherein the tempering takes place under protective gas.
- 17. (Previously Presented) A lacquer containing the silanised, structurally modified, pyrogenically produced silica of Claim 1.
- 18. (Previously Presented) A lacquer containing the silanised, structurally modified, pyrogenically produced silica of Claim 7.
- 19. (Previously Presented) A surface having applied thereto a coating produced from the lacquer of Claim 17.
 - 20. (Previously Presented) The surface according to Claim 19, which is metal.
 - 21.-22. (Cancelled)